



June 6, 2012

Dear [REDACTED]

SUBJECT: Analysis Results for Well at [REDACTED] Humboldt Township,
Marquette County, Michigan

The United States Environmental Protection Agency (EPA) collected a sample from the water supply well serving the three residences located at 1360, 1310, and 1236 County Road FX on March 21, 2012. Enclosed are tabulations of the sample analysis results. The EPA sampled the water supply to assess if past activities at the nearby Humboldt Mine and Mill site had affected groundwater and individual water supplies in the area.

The concentrations of inorganic substances and metals detected in the water supply samples were below established federal and state drinking water standards and health concern levels, and were similar to groundwater quality generally found in Central Marquette County. While it is entirely normal within the region, it is noteworthy that both iron and manganese were detected at concentrations higher than the secondary drinking water standards. The secondary standard for iron is 300 micrograms per liter (ug/l) and the secondary standard for manganese is 50 ug/l. Secondary standards are not a health-risk standards. They are aesthetic water quality standards.

The water supply sample contained iron at a concentration of 408 ug/l and manganese at a concentration of 55.6 ug/l. Water containing iron and manganese at concentrations above the secondary standards may cause staining of plumbing fixtures and laundry, and may have objectionable turbidity, color, and odor.

The EPA and the Michigan Department of Environmental Quality (DEQ) appreciate your cooperation in these investigations. If you have questions about the sampling efforts, please contact Nuria Muñiz at 312-886-4439. If you have questions about the analysis results, please contact Chuck Thomas, DEQ by phone at 906-346-8534 or email at thomasc3@michigan.gov.

EPA will be in Humboldt Township on June 19, 2012 to present general results about well-water sampling to the public at a community meeting. No site-specific results will be identified by homeowner address during the presentation.

You also may make an appointment to discuss your results in person during our visit in Humboldt Township. Please contact Community Involvement Coordinator Don de Blasio, 312-343-6666, or by e-mail at deblasio.don@epa.gov.

June 6, 2012

Sincerely,

Nuria Muñiz
U.S. Environmental Protection Agency
Superfund Division
Region 5, Chicago IL

Charles H. Thomas, P.G.
Michigan Dept. of Environmental Quality
Resource Management Division
Upper Peninsula District Office

Enclosure

cc: Ms. Dana DeBruyn, DEQ
Mr. Steve Harrington, DEQ
Mr. Patrick L. Jacuzzo, Marquette County Health Dept.
Mr. Don Deblasio, EPA
Mr. Mark Johnson, ATSDR